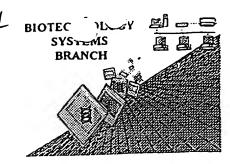
C. FRorder

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/486,247

Source: /652

Date Processed by STIC: 04/24/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 c-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 c-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

RAW SEQUENCE LISTING DATE: 09/24/2001 PATENT APPLICATION: US/09/486,247 TIME: 12:08:14

Input Set : A:\8484081999.txt

```
5 <110> APPLICANT: DEAR, TERENCE N
         BOEHM, THOMAS
11 <120> TITLE OF INVENTION: PROTEASE-RELATED PROTEIN
                                                           Does Not Comply
15 <130> FILE REFERENCE: 8484-081-999
                                                           Corrected Diskette Needed
19 <140> CURRENT APPLICATION NUMBER: 09/486,247
21 <141> CURRENT FILING DATE: 2000-05-25
23 <150> PRIOR APPLICATION NUMBER: DE 197 36 198.6
24 <151> PRIOR FILING DATE: 1997-08-20
27 <160> NUMBER OF SEQ ID NOS: 8
31 <170> SOFTWARE: PatentIn version 3.1
35 <210> SEO ID NO: 1
37 <211> LENGTH: 822
39 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
47 <223> OTHER INFORMATION: Description of Artificial Sequence: Polynucleotide
                                                                      the Genetic

96 material.

Sec Hem II an

144
ERROR Sunmary

192 SHEET
49 <221> NAME/KEY: CDS
51 <222> LOCATION: (1)..(822)
53 <223> OTHER INFORMATION:
                                                                   need
56 <400> SEQUENCE: 1
57 tag gtg gtg tca ttc ccc tcc aac ctg agt gct ggc agg tac act gct Me
       Val Val Ser Phe Pro Ser Asn Leu Ser Ala Gly Arg Tyr Thr Ala
64 ggc cac cag cag atg ccc atg aag atg ctg aca atg aag atg ctg gcc
65 Gly His Gln Gln Met Pro Met Lys Met Leu Thr Met Lys Met Leu Ala
                    20
                                         25
68 ctq tqc ttq qtt ctt qct aaa tca qcc tqq tcq qaq qaa caq qaq aaq
69 Leu Cys Leu Val Leu Ala Lys Ser Ala Trp Ser Glu Glu Gln Glu Lys
               35
72 gtg gtt cat gga ggc ccg tgt ttg aag gac tcc cac cct ttc cag gct
73 Val Val His Gly Gly Pro Cys Leu Lys Asp Ser His Pro Phe Gln Ala
76 gcc ctc tac acc tca ggt cac ttg ctg tgt ggt ggg gtc ctc att gac
77 Ala Leu Tyr Thr Ser Gly His Leu Leu Cys Gly Gly Val Leu Ile Asp
80 cca cag tgg gtg ctg aca gct gcc cac tgc aaa aaa ccg aat ctg cag
                                                                           288
81 Pro Gln Trp Val Leu Thr Ala Ala His Cys Lys Lys Pro Asn Leu Gln
                        85
                                             90
84 gtg atc ttg ggg aaa cac aac cta cgg caa aca gag act ttc caa agg
                                                                           336
85 Val Ile Leu Gly Lys His Asn Leu Arg Gln Thr Glu Thr Phe Gln Arg
                   100
                                        105
88 caa atc tca gtg gac agg act att gtc cat ccc cgc tac aac cct gaa
                                                                           384
89 Gln Ile Ser Val Asp Arg Thr Ile Val His Pro Arg Tyr Asn Pro Glu
               115
                                    120
                                                                           432
92 acc cac gac aat gac atc atg atg gtg cat ctg aaa aat cca gtc aaa
93 Thr His Asp Asn Asp Ile Met Wet Val His Leu Lys Asn Pro Val Lys
                                135
                                                     140
           130
```





DATE: 09/24/2001

TIME: 12:08:14

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/486,247

Input Set : A:\8484081999.txt

				_		_		_		_	_	aat Asn	-				480
98		145	•	-			150				-	155	-	-			
100	gag	aat	ccc	aac	tgo	cag	ato	ctg	ggc	tgg	ggc	aag	atg	gaa	aat	ggt	528
101	Glu	Asn	Pro	Asn	Cys	Gln	Ile	Leu	Gly	Trp	Gly	Lys	Met	Glu	Asn	Gly	
102	160					165					170	1				175	
104	gac	ttc	cca	gat	acc	att	cag	· tgt	gct	gat	gto	cat	ctg	gtg	ccc	cgg	576
105	Asp	Phe	Pro	Asp	Thr	· Ile	Gln	Cys	Ala	Asp	Val	His	Leu	Val	Pro	Arg	
106	_				180	ı				185					190		
108	gag	cag	tgt	gag	cgt	gcc	tac	cct	ggc	aag	ato	acc	cag	agc	atg	gtg	624
109	Glu	Gln	Cys	Glu	Arg	Ala	Tyr	Pro	Gly	Lys	Ile	Thr	Gln	Ser	Met	Val	
110				195					200					205			
112	tgc	gca	ggc	gac	atg	aaa	gaa	ggc	aac	gat	tcc	tgt	cag	ggt	gat	tct	672
113	Cys	Ala	Gly	Asp	Met	Lys	Glu	Gly	Asn	Asp	Ser	Cys	Gln	Gly	Asp	Ser	
114			210					215					220				
116	gga	ggt	ccc	cta	gta	tgt	ggg	ggt	. cgc	ctc	cga	ggg	ctc	gtg	tca	tgg	720
117	Gly	Gly	Pro	Leu	Val	Cys	Gly	Gly	Arg	Leu	Arg	Gly	Leu	Val	Ser	Trp	
118		225					230					235					
120	ggt	gac	atg	ccc	tgt	gga	tca	aag	gag	aag	сса	gga	gtt	tac	acc	gat	768
121	Gly	Asp	Met	Pro	Cys	Gly	Ser	Lys	Glu	Lys	Pro	Gly	Val	Tyr	Thr	Asp	
122	240					245					250					255	
												ctc					816
	Val	Cys	Thr	His	Ile	Arg	Trp	Ile	Gln	Asn	Ile	Leu	Arg	Asn	Lys	\mathtt{Trp}	
128					260					265					270		
	_	tga															822
	Leu																
		0> S												*			
		1> L:															
		2> T						_									
					Art	ific	ial	Sequ	ence								
		0> F			00141	m T 0 11	ъ.						1	a		12-1	
						TION	: De	scri	ptio	пог	Art	1110	laı	sequ	ence	: Loot	ynucleotide
		0> S				Com	N a n	T 011	Com	. ד א	C1.	7 ~~	m	mb ~	71-	Clv	
149		Val	ser	Pile	5	ser	ASII	ьeu	ser	10	СТА	Arg	ıyı	1111	15	GIY	, <u> </u>
		Gln	Gln	Mot	-	Mot	Luc	Mot	T.OU		Mot	Lys	Mot	T.a.ı		T.011	This is not
153	птэ	GIII	GIII	20	PIU	Met	пуз	Met	25	1111	Met	цуз	Mec	30	AId	пеа	This is not polynucleotide
	Cve	T.Qu	Va 1		Δla	T.vc	Ser	Δla		Ser	Glu	Glu	Gln		I.vc	Val	polynucleotile
157		пси	35	ЦСИ	niu	כעם	JCI	40	115	UCI	Olu	Olu	45	Olu	2,5	, 41	` 0
		His		Glv	Pro	Cvs	T.e.ii		Asn	Ser	His	Pro		Gln	Δla	Δla	
161		50	011	017	110	010	55	-1-		-		60		01			
	Leu		Thr	Ser	Glv	His		Leu	Cvs	Glv	Glv	Val	Leu	Ile	Asp	Pro	
165		-1-			1	70			-1-	1	75					80	
		Trp	Val	Leu	Thr		Ala	His	Cys	Lys		Pro	Asn	Leu	Gln		
169					85				-1-	90	-1-				95		
	Ile	Leu	Glv	Lys		Asn	Leu	Ara	Gln	Thr	Glu	Thr	Phe	Gln	Arq	Gln	
173			-	100				,	105					110			
	Ile	Ser	Val	Asp	Arg	Thr	Ile	Val	His	Pro	Arg	Tyr	Asn	Pro	Glu	Thr	
177			115		-			120			_	_	125				





RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/486,247

DATE: 09/24/2001 TIME: 12:08:14

Input Set : A:\8484081999.txt

```
180 His Asp Asn Asp Ile Met Met Val His Leu Lys Asn Pro Val Lys Phe
        130
                             135
185 Ser Lys Lys Ile Gln Pro Leu Pro Leu Lys Asn Asp Cys Ser Glu Glu
189 Asn Pro Asn Cys Gln Ile Leu Gly Trp Gly Lys Met Glu Asn Gly Asp
                    165
                                         170
193 Phe Pro Asp Thr Ile Gln Cys Ala Asp Val His Leu Val Pro Arg Glu
194
                                     185
198 Gln Cys Glu Arg Ala Tyr Pro Gly Lys Ile Thr Gln Ser Met Val Cys
                                 200
202 Ala Gly Asp Met Lys Glu Gly Asn Asp Ser Cys Gln Gly Asp Ser Gly
                             215
206 Gly Pro Leu Val Cys Gly Gly Arg Leu Arg Gly Leu Val Ser Trp Gly
207 225
                        230
210 Asp Met Pro Cys Gly Ser Lys Glu Lys Pro Gly Val Tyr Thr Asp Val
                    245
                                         250
214 Cys Thr His Ile Arg Trp Ile Gln Asn Ile Leu Arg Asn Lys Trp Leu
215
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218 <210> SEQ ID NO: 3
220 <211> LENGTH: 12
222 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: Polynucleotide
230 <400> SEQUENCE: 3
231 gatctgcggt ga
                                                                           12
234 <210> SEQ ID NO: 4
236 <211> LENGTH: 24
238 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence: Polynucleotide
246 <400> SEQUENCE: 4
                                                                           24
247 agcactetee ageeteteae egea
250 <210> SEQ ID NO: 5
252 <211> LENGTH: 12
254 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
260 <223> OTHER INFORMATION: Description of Artificial Sequence: Polynucleotide
263 <400> SEQUENCE: 5
264 gatctgttca tg
                                                                           12
267 <210> SEQ ID NO: 6
269 <211> LENGTH: 24
271 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: Polynucleotide
279 <400> SEQUENCE: 6
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/486,247

DATE: 09/24/2001 TIME: 12:08:14

Input Set : A:\8484081999.txt

Output Set: N:\CRF3\09242001\1486247.raw

280 accgacgtcg actatccatg aaca

283 <210> SEQ ID NO: 7

285 <211> LENGTH: 12 287 <212> TYPE: DNA

289 <213> ORGANISM: Artificial Sequence

291 <220> FEATURE:

293 <223> OTHER INFORMATION: Description of Artificial Sequence: Polynucleotid

295 <400> SEQUENCE: 7

296 gatcttccct cg

299 <210> SEQ ID NO: 8

301 <211> LENGTH: 24

303 <212> TYPE: DNA

305 <213> ORGANISM: Artificial Sequence

307 <220> FEATURE:

309 <223> OTHER INFORMATION: Description of Artificial Sequence: Polynucleotide

312 <400> SEQUENCE: 8

313 aggcaactgt gctatccgag ggaa

see plus

24

12





VERIFICATION SUMMARY

PATENT APPLICATION: US/09/486,247

DATE: 09/24/2001 TIME: 12:08:15

Input Set : A:\8484081999.txt



Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

	1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
	2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
	3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
X	4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
	5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
	6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
	7. Other:
Аp	plicant Must Provide:
X	An substitute computer readable form (CRF) copy of the "Sequence Listing".
X	An substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
X	A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).
Foi	r questions regarding compliance to these requirements, please contact:
Fo	r Rules Interpretation, call (703) 308-4216 r CRF Submission Help, call (703) 308-4212 ItentIn Software Program Support
	Technical Assistance703-287-0200
	To Purchase Patentin Software703-306-2600 PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY
	LEVOL

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09/486, 247
ATTN: NEW RULES CASES:	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARI
lWrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers, use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence <10> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
0Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
1Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
2PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

AMC - Biotechnology Systems Branch - 06/04/2001